

Title (en)

Remote control apparatus, electronic apparatus, and available-button indicating method

Title (de)

Fernbedienungsgerät, elektronisches Gerät und Verfahren zur Anzeige verfügbarer Tasten

Title (fr)

Dispositif de télécommande, dispositif électronique et procédé pour l'indication des touches disponibles

Publication

EP 1341316 A3 20040519 (EN)

Application

EP 03250842 A 20030211

Priority

JP 2002052781 A 20020228

Abstract (en)

[origin: EP1341316A2] A remote control apparatus (2,31) for remotely operating an electronic apparatus (1, 1a), is provided with: a reception device (22) which receives a signal indicating available operation buttons transmitted from the electronic apparatus (1, 1a); and an indication device (24) which explicitly indicates available operation buttons from among a plurality of operation buttons based on the received signal which indicates available operation buttons. <IMAGE>

IPC 1-7

H04B 1/20; **G06F 3/023**

IPC 8 full level

G06F 3/023 (2006.01); **G06F 13/00** (2006.01); **G11B 31/00** (2006.01); **H04B 1/06** (2006.01); **H04B 1/20** (2006.01); **H04M 1/00** (2006.01); **H04N 5/00** (2006.01); **H04N 5/44** (2006.01); **H04Q 9/00** (2006.01)

CPC (source: EP US)

H04B 1/202 (2013.01 - EP US); **H01H 2219/039** (2013.01 - EP US)

Citation (search report)

- [XY] US 6005490 A 19991221 - HIGASHIHARA MORIO [JP]
- [XY] EP 0872996 A2 19981021 - NOKIA MOBILE PHONES LTD [FI]
- [A] EP 1030517 A1 20000823 - SHARP KK [JP]
- [A] US 4746919 A 19880524 - REITMEIER GLENN A [US]
- [X] PATENT ABSTRACTS OF JAPAN vol. 017, no. 125 (E - 1332) 16 March 1993 (1993-03-16)

Cited by

EP1659828A1; US10198066B2; US11126397B2; US7294813B2; US10114608B2; US10310801B2; EP2409488A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

EP 1341316 A2 20030903; **EP 1341316 A3 20040519**; **EP 1341316 B1 20070124**; DE 60305186 D1 20060614; DE 60305186 T2 20060928; DE 60311335 D1 20070315; DE 60311335 T2 20071031; EP 1526438 A2 20050427; EP 1526438 A3 20050504; EP 1526438 B1 20060510; JP 2003259147 A 20030912; JP 4004817 B2 20071107; US 2003162494 A1 20030828; US 7333025 B2 20080219

DOCDB simple family (application)

EP 03250842 A 20030211; DE 60305186 T 20030211; DE 60311335 T 20030211; EP 05001622 A 20030211; JP 2002052781 A 20020228; US 37409303 A 20030227